

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Pre-Assessment for Climate Change Online Labs

1. Which of the following gases is **NOT** a greenhouse gas?
  - a. Methane
  - b. Carbon Dioxide
  - c. Water Vapor
  - d. Helium
2. How do greenhouse gases affect Earth's climate?
  - a. Greenhouse gases hold heat in our atmosphere.
  - b. Greenhouse gases destroy ozone.
  - c. Greenhouse gases destroy marble statues.
  - d. Greenhouse gases cause volcanoes to erupt.
3. Which of the following is not an impact of adding carbon dioxide to the atmosphere?
  - a. Rising atmospheric temperatures
  - b. Sea level rise
  - c. More coal available
  - d. Ocean acidification
4. How is global warming related to pollutants in the air?
  - a. Global warming causes more rain so it washes them out.
  - b. It is not related to pollutants in the air.
  - c. The CO<sub>2</sub> from burning fossil fuels is one of the causes of global warming.
  - d. Global warming makes the particulates in the pollutants move more with the winds and currents.

### True/False

5. \_\_\_\_\_ If global temperatures continue to rise, glaciers will melt at a more rapid pace and their meltwater will cause sea levels to rise.
6. \_\_\_\_\_ According to scientific data, CO<sub>2</sub> levels have reached a level the Earth has not experienced over the past 100,000 years.

**Name one greenhouse gas and describe how it affects Earth's climate.**

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Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Post-Assessment for Global Climate Change

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  - d. Helium
2. How do greenhouse gases affect Earth's climate?
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  - h. Greenhouse gases cause volcanoes to erupt.
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  - d. Global Warming makes the particulates in the pollutants move more with the winds and currents.

### True/False

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